

ABSTRACT OF THE DISCLOSURE

A cam system enable speed and power generation of a mechanical activity, effected by operation of the cam, to be varyingly adjusted. Cam structures, a cam follower, and a movable cam shaft are used to effect operation of the cam system. A

5 central cam structure receives the cam shaft and move therewith. A side cam structure is positionally varied with respect to the central cam structure for changing the profile of the central cam structure alone and in turn changing in the overall profile followed by the cam follower during movement of the cam shaft and any cam structures related thereto. Changes in profile effected by the positional configuration of the side cam structures

10 effecting variable translational motion to the cam follower during movement of the central cam shaft and cam structures, which enable variation in speed or power of operation of a preferred movement relevant to a mechanical requirement.